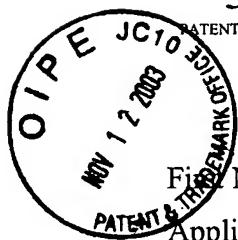




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PATENT TRADEMARK OFFICE

Patent
Case No.: 56210US004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: JING, NAIYONG

Application No.: 10/647523 Group Art Unit:

Filed: August 25, 2003 Examiner: Unknown

Title: FLUOROPOLYMER BONDING COMPOSITION AND METHOD

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING
I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:

November 10, 2003
Date

Carol Decaire
Signed by: Carol Decaire

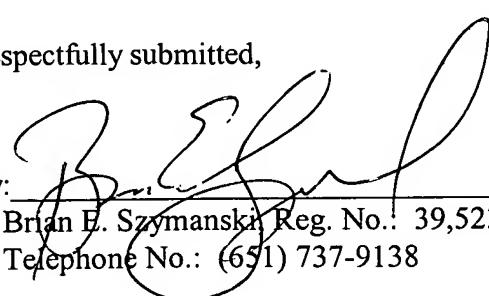
Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449, citing references submitted for consideration by the Examiner. Copies of any cited foreign patents, non-patent literature, and unpublished US application documents are enclosed. Pursuant to the waiver in the Pre-OG Notice, dated July 11, 2003, copies of US patents and published US patent applications are no longer required and are not enclosed. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

It is believed that no fee is due; however, in the event a fee is required, please charge the fee to Deposit Account No. 13-3723.

Respectfully submitted,

By:


 Brian E. Szymanski Reg. No. 39,523
 Telephone No.: (651) 737-9138
November 10, 2003

Date

Office of Intellectual Property Counsel
3M Innovative Properties Company
Facsimile No.: 651-736-3833

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Application Number

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Attorney Case Number

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Page 1 of 3

U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number <small>Doc. Number-(Kind Code if Known)</small>	Publication Date or Issue Date <small>MM-DD-YYYY</small>	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	US- 2,789,063	04/16/1957	Purvis et al	
	A2	US- 3,563,871	02/16/1971	Newman et al	
	A3	US- 4,112,139	09/05/1978	Shirk et al	
	A4	US- 4,164,463	08/14/1979	Fang	
	A5	US- 4,186,084	01/29/1980	Fang	
	A6	US- 4,233,421	11/11/1980	Worm	
	A7	US- 4,261,800	04/14/1981	Beckenbaugh et al	
	A8	US- 4,338,237	07/06/1982	Sulzbach et al	
	A9	US- 4,613,653	09/23/1986	Kitchens et al	
	A10	US- 4,775,449	10/04/1988	Dumas et al	
	A11	US- 4,824,692	04/25/1989	Gillick et al	
	A12	US- 4,912,171	03/27/1990	Grootaert et al	
	A13	US- 5,051,312	09/24/1991	Allmér	
	A14	US- 5,086,123	02/04/1992	Guenthner et al	
	A15	US- 5,262,490	11/16/1993	Kolb et al	
	A16	US- 5,284,611	02/08/1994	Grootaert et al	
	A17	US- 5,285,002	02/08/1994	Grootaert	
	A18	US- 5,320,789	06/14/1994	Nishii et al	
	A19	US- 5,419,968	05/30/1995	Okada et al	
	A20	US- 5,470,617	11/28/1995	Nishii et al	
	A21	US- 5,478,652	12/26/1995	Grootaert et al	
	A22	US- 5,580,616	12/03/1996	Niino et al	
	A23	US- 5,656,121	08/12/1997	Fukushi	
	A24	US- 5,658,671	08/19/1997	Fukushi	
	A25	US- 5,684,065	11/04/1997	Hiraoka et al	
	A26	US- 5,734,085	03/31/1998	Coggio et al	
	A27	US- 5,859,086	01/12/1999	Freund et al	
	A28	US- 6,057,014	05/02/2000	Fuller	

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		Doc. Number-(Kind Code if Known)			
	A29	US- 6,117,497	09/12/2000	Murahara et al	
	A30	US- 6,255,384	07/03/2001	McCarthy et al	

Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (If known)				
	B1	JP	06-279590	10/04/1994			X Abstract only
	B2	JP	07-179628	07/18/1995			X Abstract only
	B3	JP	07-179636	07/18/1995			X Abstract only
	B4	JP	09-193164	07/29/1997			X Abstract only
	B5	JP	2000-256488	09/19/2000			X Abstract only
	B6	JP	2000-351809	12/19/2000			X Abstract only
	B7	JP	01-225674 A	08/09/1989			X Abstract only
	B8	JP	01-225675 A	09/08/1989			X Abstract only
	B9	PCT	WO 96/05965 A1	02/29/1996			X
	B10	PCT	WO 00/52084	09/08/2000			X

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C1	<u>Appl. Phys. Lett.</u> , Vol. 54, No. 1, January 2, 1989, ©1988 American Institute of Physics, "Ablation of Polytetrafluoroethylene (Teflon) with Femtosecond UV Excimer Laser Pulses", S. Küper and M. Stuke, p. 4-6.
	C2	<u>Appl. Phys. Lett.</u> , Vol. 63, No. 25, December 20, 1993, "Surface Modification and Metallization of Fluorocarbon Polymers by Excimer Laser Processing", H. Niino and A. Yabe
	C3	<u>Chemistry Letters</u> , pp. 1637-1638, 1993; ©The Chemical Society of Japan, "Endowment With The Wettability On The Surface Of Tetrafluoroethylene-Perfluoroalkyl Vinyl Ether Copolymer By Excimer Laser Irradiation"; Atsushi Okada, Yasuo Negishi, Yuichi Shimizu, Shun'ichi Sugimoto, Masanobu Nishii, and Shunichi Kawanishi
	C4	Elsevier, <u>Applied Surface Science</u> 109/110 (1997) p. 222-226, "Excimer Laser Induced Surface Chemical Modification of Polytetrafluoroethylene", K. Révész, B. Hopp, Z. bor
	C5	Dahm, R., in: "Surface Analysis and Pretreatment of Plastics and Metals", Applied Science Publishers, New York, 1982, p. 1-11

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	C6	Siperko, L.M.; Thomas, R.R.; <u>Journal Adhesion Sci. Technol.</u> 1989, Vol. 3, p. 157
	C7	Rye, R.R.; Arnold, G.W.; <u>Langmuir</u> , 1989, Vol. 5, p. 1331
	C8	Clark, D.T.; Hutton, D.R.; <u>Journal Polym. Sci., Polym. Chem. Ed.</u> , 1987, Vol. 25, p. 2643
	C9	Weismann, S.I.; <u>Journal Phys. Chem..</u> , 1954, Vol. 22, p. 1135
	C10	Yao, T.; Musha, S.; Munemori, M.; <u>Chem. Lett.</u> , 1974, p. 939
	C11	Allmer, K.; Feiring, A.E.; <u>Macromolecules</u> , 1991, Vol. 24, p. 5487
	C12	Costello, C.A.; McCarthy, T.J.; <u>Macromolecules</u> , 1984, Vol. 17, p. 2941
	C13	Iqbal, Z.; Ivory, D.M.; Szobota, J.S.; Elsenbaumer, r.L.; Baughman, R.H.; <u>Macromolecules</u> , 1986, Vol. 19, p. 2992
	C14	Kiplinger,J.L.; Richmond,T.G.; Osterberg,C.E.; <u>Chem.Rev.</u> , 1994, Vol. 94, p.341
	C15	MacNicol, D.D.; Robertson, C.D.; <u>Nature</u> , 1988, 332, 59
	C16	Cooper, D.L.; Allan, N.L.; Powell, R.L.; <u>Journal Fluorine Chem.</u> , 1990, Vol. 49, p. 421
	C17	Marsella, J.A.; Gilicinski, A.G.; Coughlin, A.M.; Pez, G.P.; <u>Journal Organic Chem.</u> , 1992, Vol. 57, p. 2856
	C18	Burdeniuc, J.; Chupka, W.; Crabtree, R.H.; <u>Journal Am. Chem. Soc.</u> , 1995, 117, 10119
	C19	Burdeniuc, J.; Crabtree,R.H.; <u>Science</u> , 1996, 271, 340
	C20	Kaprinidis, N.A.; Turro, N.J.; <u>Tetrahedron Lett.</u> , 1996, 37, 2373
	C21	Plueddemann, E.P.; <u>Silane Coupling Agents</u> , 1982, Plenum Press, NY, pp. 188-205
	C22	Plueddemann, E.P.; <u>Silane Coupling Agents</u> , Second Edition, 1991, Plenum Press, NY, pp. 101-113
	C23	<u>Chemlok® 607</u> , "Silicone Rubber & Specialty Elastomer Adhesive", Lord Corporation
	C24	<u>Semiconductor International</u> , 11, Burggraf, Pieter, No. 8, Vol. 5, (1988)
	C25	Related Application U.S. Serial No. 09/862,124, filed May 21, 2001, Attorney Docket No. 56211US002, now Publication No. 2002-0197481-A1
	C26	Related Application U.S. Serial No. 09/862,125, Filed May 21, 2001, Attorney Docket No. 56212US002, now allowed

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